



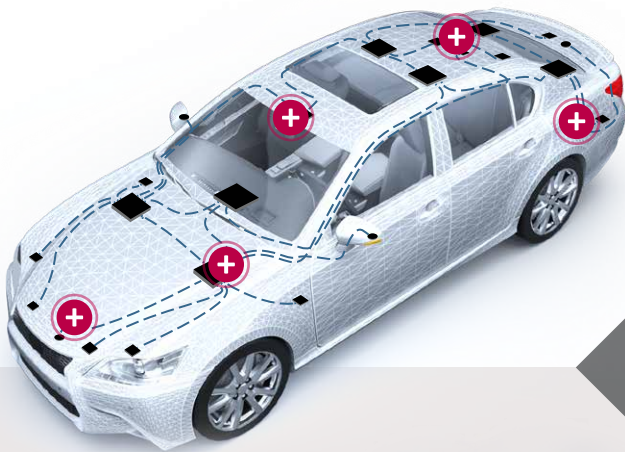
## Assembly and Test Lines for Automotive Connectors

Applications in cars for traffic- and safety-relevant systems, e-mobility and autonomous driving require high-performance, versatile and safe connection technology for signal transmission and power supply. This results in new requirements for design, materials and coatings as well as for testing and product safety.

To meet these requirements, XENON offers production equipment with advanced technology modules to ensure consistent quality throughout the entire product life cycle.

### Our Key Competencies

- High precision assembly processes
- Automatic setup stations for a high number of product variants
- AOI of complex assemblies
- Broad testing expertise for consistently high product quality
- Smart process data management



Product Development Support



Responsibility as General Contractor



External System Integration

## Connectors Assembly Portfolio

### Applications

- Energy Supply - HV/LV
- Control Units
- Actuators & Sensors
- Infotainment Systems
- Automotive Ethernet



### Power / HF / Signal & Differential Connectors

XENON assembly and inspection solutions for automotive connectors covers the most important applications in the wiring system - for any kind of size, function or connection technology.

- Wire-to-Wire/Inline
- Wire-to-Board/PCB-Header
- Device Connections

## Assembly Solutions for Smart Mobility

The assembly and testing of connectors is demanding. Based on over 30 years project experience, XENON uses proven technology solutions for the realization of production lines. All basic elements such as automation platform, processes, feeding technology or software are inhouse developments.



## Key Automation Processes for Connectors

### Feeding/Separation

- Flexfeeding
- Trayfeeding
- Vibration Bowl Feeding

### Insertion

- Pick and Place
- Cam-Controlled Assembly
- Robot Handling

### Pre-/Final Assembly

- Press-Fit Connection
- Contact Assembly
- Contact Bending

### Testing

- Leakage Test
- Optical Test
- Functional Test

### Identification

- Labeling
- Lasering
- Marking



Worldwide leading companies rely on XENON automation systems



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*That's automation.*

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